

INDEX TO VOLUME 95, 1983

BY MARY C. MCKITRICK

This index includes references to genera, species, authors, and key words or terms. In addition to avian species, references are made to the scientific names of all vertebrates mentioned within the volume and other taxa mentioned prominently in the text. Common names are as they appeared in the volume. Reference is made to books reviewed, reviewers, and announcements as they appeared in the volume.

- Abies* spp., 60
abiotic factors
 effect on *Branta* spp., 384–403
Acanthizinae, 184, 196
Accipiter cooperii, 490
 striatus, 224, 443, 449
Acrocephalus arundinaceus, 239
 luscini, 195
 spp., 195, 196
 syrinx, 195
Adelomyia melanogenys, 658
Adenia xenica, 412
adoption
 Coragyps atratus, 310–311
 Larus delawarensis, 27, 31–32, 36, 37, 39
Aeronautes saxatilis, 144–145
Agelaius phoeniceus, 17, 430, 453–459, 473,
 577, 643–647
Aix sponsa, 311, 489
alarm calls
 Melanerpes carolinus, 490–491
 Porzana carolina, 53–57
 Rallus limicola, 53–57
Albatross, Laysan, see *Diomedea immutabilis*
alewife, see *Alosa pseudoharengus*
allopreening
 Butorides striatus sundevali, 119–120
 Porzana carolina, 49
 Rallus limicola, 49
Alosa pseudoharengus, 271, 371
Ammodramus bairdii, 593–602
 lecontei, 593–602
 savannarum, 15, 282
 spp., 461
Amphispiza belli, 281–282
Anas acuta, 294–296, 675–682
 americana, 675–682
 clypeata, 675–682
 crecca carolinensis, 675–682
 platyrhynchos, 55–56, 270, 273, 295, 675,
 690–694
 rubripes, 675–682
 strepera, 675–682
Anatidae, 452
Anatini, 294
Angell, Tony and Kenneth C. Balcomb, III,
 Marine birds and mammals of Puget
 Sound, reviewed, 704–705
Ankney, Dave, review by, 167–168
announcements
 International Commission on Zoological
 Nomenclature, 504
 A new information system for raptors, 96
Anser albifrons, 693
Antbird, Banded, see *Dichrozona cincta*
 Hairy-crested, see *Rhegmatorhina melano-*
 nosticta
 Scale-backed, see *Hylophylax poecilonota*
 Warbling, see *Hypocnemis cantator*
Antpitta, Crescent-faced, see *Grallaricula li-*
 neifrons
 Ochre-breasted, see *Grallaricula flaviros-*
 tris
 Ochre-fronted, see *Grallaricula ochracei-*
 frons (Frontispiece)
 Peruvian, see *Grallaricula peruviana*
 Rusty-breasted, see *Grallaricula ferrugi-*
 neipectus
 Scallop-breasted, see *Grallaricula loricata*
 Slate-crowned, see *Grallaricula nana*
Antshrike, Black-capped, see *Thamnophilus*
 schistaceus
 Bluish-slate, see *Thamnomanes schisto-*
 gynus (Frontispiece)
 Cinereous, see *Thamnomanes caesius*
 Dusky-throated, see *Thamnomanes arde-*
 siacus

- Mouse-colored, see *Thamnophilus murinus*
 Rufous-capped, see *Thamnomanes ruficapillus*
 Saturnine, see *Thamnomanes saturninus*
 Western, see *Thamnomanes occidentalis*
 antshrike, see *Thamnomanes* spp.
 Anthrush, Black-faced, see *Formicarius analis*
 Antvireo, Plain, see *Dysithamnus mentalis*
 Spot-crowned, see *Dysithamnus puncticeps*
 Streak-crowned, see *Dysithamnus striaticeps*
 Antwren, Chestnut-shouldered, see *Terenura humeralis*
 Rufous-rumped, see *Terenura callinota*
 Slaty, see *Myrmotherula schisticolor*
 antwren, see *Myrmotherula* spp.
Aphelocoma coerulescens, 490
 coerulescens coerulescens, 256
 ultramarina, 286–287
 Apodidae, 513, 515
 Apodiformes, 138
Archilochus colubris, 429
Ardea herodias, 402, 479
 Armstrong, Edward, see Clark, Karen, David Euler, and ———
 Armstrong, Edward R. and David Euler, Hermit Thrush nesting on a rock face, 160
 Arnold, Keith A. and Dan M. Johnson, Annual adult survival rates for Brown-headed Cowbirds wintering in south-east Texas, 150–153
Asio flammeus, 237
Aspergillus fumigatus, 271
Athene cunicularia, 600
 Atherinidae, 413
Atlapetes brunneinucha, 156
 spp., 156
 awards and grants
 Aaron Bagg student membership awards, 22
 Bird banding research grants, 319
 Hawk Mountain research award, 319
 North American Bluebird Society research grants, 320
 Wilson Society student membership award, 348
Aythya americana, 270
Balaenoptera physalus, 478
 Balcomb, Kenneth C., III, see Angell, Tony and ———
 Barbosa C., Cesar E., see Fjeldsa, Jon and ———
 Barlow, Jon C., Songs of the vireos and their allies, reviewed, 162–163
 Barr, Jack F., see Heimberger, Marianne, David Euler, and ———
 see McIntyre, Judith W. and ———
Bathmocercus spp., 192
 Bechard, Marc J., Food supply and the occurrence of brood reduction in Swainson's Hawk, 233–242
 Bédard, Jean, review by, 497–498
 bedbug, see *Cimex lectularius*
 behavior
 Butorides striatus sundevalli, 119, 120
 Tachycineta thalassina, 142–145
 aggressive
 Larus delawarensis, 25–37
 Parus bicolor, 222–232
 Porzana carolina, 43–49
 Rallus limicola, 43–49
 bathing
 Tyrannus savana, 488–489
 copulatory
 Porzana carolina, 49–52
 Rallus limicola, 49–52
 courtship
 Butorides striatus sundevalli, 118–121
 display
 Chiroxiphia spp., 339
 Dendragopus obscurus, 667–669
 Pipra aureola, 336–341
 fasciicauda, 321–342
 filicauda, 336–341
 spp., 337, 339
 Porzana carolina, 42–59
 Rallus limicola, 42–59
 Scolopax minor, 655–656
 feeding
 Gavia immer, 122–124
 flocking
 Parus bicolor, 222–232
 foraging, see foraging behavior
 head-scratching
 Geospizinae, 158–160
 incubation

- Porzana carolina, 459-461
 lek
 Pipra fasciicauda, 321-342
 maintenance
 Gavia immer, 122
 mobbing
 in *Parus atricapillus*, 343-348
 in *Turdus migratorius*, 343, 346
 nest defense
 Phacellodomus rufifrons, 106-117
 rufifrons inornata, 106-117
 nestling, see nestling behavior
 preening
 Anas platyrhynchos, 690-694
 Branta canadensis, 690-694
 pre-migratory
 Gavia immer, 121-125, 125-132
 rafting
 Gavia immer, 121-125
 reproductive
 Anas acuta, 675-682
 americana, 675-682
 clypeata, 675-682
 crecca carolinensis, 675-682
 rubripes, 675-682
 strepera, 675-682
 Fulica americana, 467-469
 Gavia immer, 431-439
 Pterodroma hypoleuca, 522-539
 roosting
 Larus bulleri, 461-462
 sentinel
 Corvus brachyrhynchos, 155
 social
 Parus bicolor, 222-232
 vocal
 Amphispiza belli, 281-282
 winter
 Parus bicolor, 222-232
 Beletsky, L. David and Michael G. Corral,
 Song response by female Red-winged
 Blackbirds to male songs, 643-647
 Belonidae, 412
 Berman, Susan L., review by, 706
 Best, Louis B., see Heagy, Patricia A. and
 —
 biogeography, insular, with reference to for-
 est patches, 416-430
 Bird, James E., see Payne, P. Michael, Kev-
 in D. Powers, and —
 Bison bison, 7
 Black, Barbara and Larry D. Harris, Feeding
 habitats of Black Skimmers wintering
 on the Florida Gulf Coast, 404-415
 Blackbird, Eurasian, see *Turdus merula*
 Red-winged, see *Agelaius phoeniceus*
 Blake, John G., Trophic structure of bird
 communities in forest patches in east-
 central Illinois, 416-430
 Bleiweiss, Robert and Manuel Olalla P.,
 Notes on the ecology of the Black-
 breasted Puffleg on Volcan Pichin-
 cha, Ecuador, 656-661
 Blokpoel, Hans, see Nol, Erica and —
 Bluebird, Eastern, see *Sialia sialis*
 Western, see *Sialia mexicana*
 Boersma, Dora, see Fox, Glen A. and —
 Bombycilla cedrorum, 157-158, 430, 683
 Bortolotti, Gary R., review by, 698-700
 botfly, see *Mydaea* sp.
 botulism poisoning, see *Clostridium botulinum*
 of waterfowl, 269-275
 Boxall, Peter C., Observations suggesting
 parental division of labor by American
 Redstarts, 673-674
 Boys, J. V., see Prendergast, Col. E. D. V.
 and —
 Bradypterus cinnamomeus, 193
 Brand, Christopher J., Ruth M. Duncan,
 Scott P. Garrow, Dan Olson, and
 Leonard E. Schumann, Waterbird
 mortality from botulism type E in Lake
 Michigan: An update, 269-275
 Brant, see *Branta bernicla*
 Branta bernicla, 384-403
 canadensis, 209-221, 311, 384-403, 690-
 694
 canadensis maxima, 311-313
 Braun, Clait E., see Curtis, Paul D. and
 —
 Brawn, Jeffrey D. and Fred B. Samson, Win-
 ter behavior of Tufted Titmice, 222-
 232
 breeding biology
 Cyanocorax beecheyi, 256-268
 Lanius ludovicianus, 303-308
 Larus atricilla, 540-551
 Pandion haliaetus, 243-255
 Passer montanus, 287-294
 Phalaropus tricolor, 472-475

- brood
 number per season
 Tachycineta bicolor, 470–471
 overlap
 Passer domesticus, 148
 Sialia sialis, 148–150
 reduction
 Buteo swainsoni, 233–242
 size
 Buteo swainsoni, 234
- Brown, Charles R., Vocalizations and behavior of Violet-green Swallows in the Chiricahua Mountains, Arizona, 142–145
- Brown, Jerram L., Communal harvesting of a transient food resource in the Mexican Jay, 286–287
- Brunswick, Norman L., Stephen G. Winton, and Paul B. Hamel, A dietary overlap of Evening Grosbeaks and Carolina Parakeets, 452
- Brush-finch, Chestnut-capped, see *Atlapetes brunneinucha*
- brush-finch, see *Atlapetes* spp.
- Bubo virginianus*, 38, 442, 443
- Bubulcus ibis*, 540
- Bucephala albeola*, 482
 clangula americana, 482–488
 islandica, 482–488
- Bucconidae, 505
- Bufflehead, see *Bucephala albeola*
- Bullfinch, see *Pyrrhula pyrrhula*
- Bunn, D. S., A. B. Warburton, and R. D. S. Wilson, The Barn Owl, reviewed, 317–319
- Bunting, Indigo, see *Passerina cyanea*
 Yellow, see *Emberiza citrinella*
- Burger, Joanna, Richard Trout, Wade Wander, and Glen Ritter, Jamaica Bay studies: IV. Abiotic factors affecting abundance of Brant and Canada geese on an east coast estuary, 384–403
- Burt, Edward J., Jr., Head-scratching method of Galapagos finches unaffected by variation in cranial morphology, 158–160
- Bush-Warbler, Aberrant, see *Cettia flavovivacea*
 Bornean Short-tailed, see *Cettia [Urosphena] whiteheadi*
 Brownish-flanked, see *Cettia fortipes*
 Chestnut-crowned, see *Cettia major*
 Gray-sided, see *Cettia brunnifrons*
 Muller's, see *Cettia vulcania*
 Palau, see *Psamathia annae*
 Pale-footed, see *Cettia [Urosphena] pallidipes*
 Strong-footed, see *Cettia fortipes*
 Stub-tailed, see *Cettia [Urosphena] squameiceps*
 Timor, see *Cettia [Urosphena] subulata*
 Yellowish-bellied, see *Cettia acanthizoidea*
- Buteo jamaicensis*, 492–495
 platypterus, 80–94
 swainsoni, 233–242
- Butorides* spp., 120
 striatus striatus, 118
 striatus sundevalli, 118–121
 striatus virescens, 118–121
- cactus, cardon, see *Pachycereus pringlei*
- Cade, Tom J., The falcons of the world, reviewed, 696–697
- Cairns, D. K., Examining nesting cavities with an optical fibroscope, 492
- Calcarius lapponicus*, 593–602
 ornatus, 472, 593–602
 pictus, 593–602
- Calidris alba*, 600
- Calliphoridae, 560
- calls, alarm, see alarm calls
- Calocitta colliei*, 259
- Camarhynchus parvulus*, 159
 psittacula, 159
- Cameroptera* spp., 184
- Campylorhynchus nuchalis*, 133
- Cannell, Peter F., Jeffrey D. Cherry, and Kenneth C. Parkes, Variation and migration overlap in flight feather molt of the Rose-breasted Grosbeak, 621–627
- cannibalism
 Buteo swainsoni, 233
 Larus argentatus, 477–478
- caracara, see *Polyborus* spp.
- Cardellina rubrifrons*, 662–664
- Cardinal, Northern, see *Cardinalis cardinalis*
- Cardinalis cardinalis*, 276–280, 350, 430, 682–690

- Carduelis tristis*, 15, 430, 603
 Castrale, John S., Selection of song perches
 by sagebrush-grassland birds, 647-655
 Catbird, Gray, see *Dumetella carolinensis*
Catharacta macconnicki, 240
 sp., 478
Catharus fuscescens, 80-94, 430
 guttatus, 160
 spp., 626
 ustulatus, 80-94
 Catostomidae, 271
 censusing methods
 Agelaius phoeniceus, 453-459
 pine-hardwood forest, 276-280
Cephus grylle, 492
Cercocebus albigena, 598
Certhia familiaris, 227, 424, 430, 565, 682-
 690
Certhiaxix cinnamomeus, 107
Certhidea olivacea, 159
Cettia acanthizoides, 186, 187
 brunnifrons, 186, 187, 190
 cetti, 186, 187
 diphonae seebohmi, 184-198
 diphone, 184-198
 diphone borealis, 190
 diphone cantans, 184-198
 diphone canturians, 188-198
 diphone restrictus, 190
 diphone sakhalinensis, 190
 flavolivacea, 187
 fortipes, 186, 188-189
 fortipes davidianus, 187
 fortipes everetti, 188-189
 fortipes pallidus, 188-189
 (*Horeites*) spp., 187, 192
 major, 187, 190
 major major, 188-189
 spp., 184-198
 [Urosphena] *pallidipes*, 186
 [Urosphena] *squameiceps*, 186
 [Urosphena] *subulata*, 186
 [Urosphena] *whiteheadi*, 186
 vulcania, 186
 change, seasonal, in morphology of *Fulica*
 americana, 469
 Chardine, John W., and Ralph D. Morris,
 Herring Gull males eat their own eggs,
 477-478
 Chat, Yellow-breasted, see *Icteria virens*
 Cherry, Jeffrey, see Powers, Kevin D. and
 —————
 Cherry, Jeffrey D., see Cannell, Peter F.,
 —————, and Kenneth C. Parkes
 Chickadee, Black-capped, see *Parus atri-*
 capillus
 Carolina, see *Parus carolinensis*
 Chestnut-backed, see *Parus rufescens*
 Mountain, see *Parus gambeli*
 Chipmunk, Eastern, see *Tamias striatus*
Chiroxiphia caudata, 324
 linearis, 324
Chordeiles minor, 310
Cimex lectularius, 569
 cisco, see *Coregonis artedii*
Citellus (= *Spermophilus*) *columbianus*, 237
Clangula hyemalis, 270
Claravis mondetoura, 662-664
 Clark, George A., Jr., An additional method
 of foraging in litter by species of *Tur-*
 dus thrushes, 155-157
 Clark, Karen, David Euler, and Edward
 Armstrong, Habitat associations of
 breeding birds in cottage and natural
 areas of central Ontario, 77-96
 Clark, Robert G., Patrick J. Weatherhead,
 and Roger Titman, On the relation-
 ship between breeding bird survey
 counts and estimates of male density
 in the Red-winged Blackbird, 453-459
Clostridium botulinum, 269-273
Clupeiformes, 412
 clutch
 number of in *Tachycineta bicolor*, 146
 size
 Buteo swainsoni, 234
 Gavia immer, 671-672, 672-673
 Pandion haliaetus, 246-247
 Porzana carolina, 459
 Spiza americana, 8
 supernormal
 Larus delawarensis, 552-559
Coccothraustes vespertinus, 452
Coccyzus americanus, 276-280, 429
 erythrophthalmus, 429
Coeligena lutetiae, 658, 660
 sp., 4
 torquata, 658
Colaptes auratus, 429, 490
 auratus auratus, 682-690

- Colibri coruscans*, 662
 color change
 in eyes of *Bucephala* spp., 482-488
 in legs and plumage of *Butorides striatus*
 sundevalli, 118
Columba fasciata, 464-466
 fasciata fasciata, 464
 fasciata monilis, 464
 livia, 297, 682-690
 palumba, 687
 Columbidae, 625
 communities, avian, trophic structure of, 416-430
 community structure, in grassland in winter, 591-602
 competition
 in *Larus delawarensis*, 37
 Conner, Richard N., James G. Dickson, Brian A. Locke, and Charles G. Segelquist, Vegetation characteristics important to common songbirds in east Texas, 349-361
 Conner, Richard N., James G. Dickson, and Howard J. Williamson, A comparison of breeding bird census techniques with mist netting results, 276-280
 Conover, Michael R., Recent changes in Ring-billed and California gull populations in the western United States, 362-383
Contopus virens, 80-94, 429
Conuropsis carolinensis, 452
 Coot, American, see *Fulica americana*
Coragyps atratus, 310-311
 Corral, Michael G., see Beletsky, L. David and ———
Coregonis artedii, 121
Corvus brachyrhynchos, 153-155
 corax, 153, 461
 cornix, 153, 461
 corone, 288
 Cotingidae, 161-162
Coturnicops noveboracensis, 48
 Cowbird, Brown-headed, see *Molothrus ater*
 Shiny, see *Molothrus bonariensis*
 Crane, Sandhill, see *Grus canadensis*
 Creeper, Brown, see *Certhia familiaris*
 Crow, American, see *Corvus brachyrhynchos*
 Carrion, see *Corvus corone*
 Hooded, see *Corvus cornix*
 Cuckoo, Black-billed, see *Coccyzus erythrophthalmus*
 European, see *Cuculus canorus*
 Striped, see *Tapera naevia*
 Yellow-billed, see *Coccyzus americanus*
Cuculus canorus, 12
 Curry-Lindahl, Kai, Bird migration in Africa, reviewed, 165-166
 Curtis, Paul D. and Clait E. Braun, Radio-telemetry location of nesting Band-tailed Pigeons in Colorado, 464-466
Cyanocitta cristata, 429, 574, 577, 682-690
 spp., 155
Cyanocorax [Cissilopha] beecheyi, 256-268
Cynomys sp., 593
 cypress, bald, see *Taxodium distichum*
 Cyprinodontidae, 413
 Dahlsten, Donald L., see Gold, Clifford S. and ———
 deer, mule, see *Odocoileus hemionus*
 defense
 of feeding territory
 Mimus polyglottos, 157-158
Delichon urbica, 239
Dendragopus obscurus, 667-669
Dendroica caerulescens, 80-94
 cerulea, 430
 coronata, 61-76, 80-94, 227, 581-590
 coronata coronata, 682-690
 discolor, 15, 350, 673
 dominica, 430
 fusca, 80-94, 587
 magnolia, 587
 nigrescens, 640-643
 pensylvanica, 138-140
 petechia, 12, 138-140, 205
 pinus, 350
 spp., 282, 640, 643
 virens, 80-94, 587, 643
 development
 anomalies
 in *Branta canadensis maxima*, 311-313
Dichrozona cincta, 510
 Dickcissel, see *Spiza americana*
 Dickson, James G., see Conner, Richard N., ———, Brian A. Locke, and Charles G. Segelquist
 Dickson, James G., see Conner, Richard N., ———, and Howard J. Williamson

- diet
Anas acuta, 294–296
Branta bernicla, 401
canadensis, 401
Coccythraustes vespertinus, 452
Conuropsis carolinensis, 452
Eriocnemis nigrivestis, 658–660
Haliaeetus leucocephalus, 694–695
Larus californicus, 296–297, 371–372
delawarensis, 371–372
 nestling, see nestling, diet
Oceanites oceanicus, 478–479
Rynchops niger niger, 412
- dietary overlap
Coccythraustes vespertinus and *Conuropsis carolinensis*, 452
- Diglossa* cf. *lafresnayii*, 662
lafresnayii, 660
- dimorphism
 sexual
Microcerculus spp., 175–176
Setophaga ruticilla, 199–208
Pipra fasciicauda, 324
- Diomedea immutabilis*, 523
 spp., 528
- distribution
 elevational
Eriocnemis nigrivestis, 660–661
Gavia spp., 125–132
 local
Branta bernicla, 384–403
canadensis, 384–403
Microcercus spp., 176–181
Terenura callinota, 462–464
- Dixon, Keith L., Black-capped Chickadee performs “hiss-display” while in wire mesh-trap, 313–314
- Dove, Mourning, see *Zenaida macroura*
 Rock, see *Columba livia*
- Dryochaera* spp., 184, 193
Dryocopus pileatus, 490
- Duck, Black, see *Anas rubripes*
 Wood, see *Aix sponsa*
- Dumetella carolinensis*, 302, 430, 626
- Duncan, Ruth M., see Brand, Christopher J., ———, Scott P. Garrow, Dan Olson, and Leonard E. Schumann
- Dunnock, see *Prunella modularis*
- Dysithamnus mentalis*, 506
puncticeps, 514, 518
 spp., 505–521
striaticiceps, 514, 518
- ecology
Eriocnemis nigrivestis, 656–661
- eco-morphology
Thamnomanes sp., 505–521
- egg
 color
Egretta caerulea, 481–482
 dropping
Eremophila alpestris, 489–490
 removal
 by *Molothrus ater*, 15–17
- eggs
 of *Cettia cetti*, 187
 of *Cettia diphone*, 187
 of *Psamathia annae*, 187, 190
 of *Vitia ruficapilla badiceps*, 187
- eggshell thinning
Larus atricilla, 548–549
- Egret, Cattle, see *Bubulcus ibis*
 Little, see *Egretta garzetta*
- Egretta caerulea*, 481–482
garzetta, 315
- Eider, Common, see *Somateria mollissima*
- Elvira cupreiceps*, 180
- Emberiza citrinella*, 616
- Emerald, Coppery-headed, see *Elvira cupreiceps*
- Empidonax minimus*, 80–94
traillii, 206
virescens, 429
- Engrauididae, 413
- Ensifera ensifera*, 658, 660
- Eremophila alpestris*, 104, 237, 489–490, 593–602, 647–655
- Eriocnemis luciani*, 658
nigrivestis, 656–661
vestitus, 662
- Erithacus rubecula*, 157
- erratum
 for Zimmerman, John L., Vol. 95, No.1, 504
- Eschrichtius robustus*, 478
- Euler, David, see Clark, Karen, ———, and Edward Armstrong
- Euler, David, see Heimberger, Marianne, ———, and Jack Barr
- Evans, Roger M., Do secondary roosts func-

- tion as information centers in Black-billed Gulls? 461-462
- Falco deiroleucus, 314-315
 mexicanus, 600
 ruficularis, 314
 sparverius, 492
 tinnunculus, 289
- Falcon, Bat, see Falco ruficularis
 Prairie, see Falco mexicanus
 Orange-breasted, see Falco deiroleucus
- Farber, Paul Lawrence, The emergence of ornithology as a scientific discipline: 1760-1850, reviewed, 496
- fat deposition
 Junco hyemalis hyemalis, 628-635
 migratory
 Junco hyemalis, 603-620
 premigratory
 juvenile Buteo jamaicensis, 492-495
- Feduccia, Alan and Storrs L. Olson, Morphological similarities between the Menurae and the Rhinocryptidae, relict passerine birds of the Southern Hemisphere, reviewed, 502
- Felis domesticus, 574
- Fetterolf, Peter M., Effects of investigator activity on Ring-billed Gull behavior and reproductive performance, 23-41
- Finch, Cactus, see Geospiza scandens
 Darwin's, see Geospizinae
 Large Tree, see Camarhynchus psittacula
 Medium Ground, see Geospiza fortis
 Small Ground, see Geospiza fuliginosa
 Small Tree, see Camarhynchus parvulus
 Vegetarian, see Platyspiza crassirostris
 Warbler, see Certhidea olivacea
- Fischer, David H., Growth, development, and food habits of nestling mimids in south Texas, 97-105
- Fjeldsa, Jon and Cesar F. Barbosa C., A giant hummingbird from Paramo de Chingaza, Colombia, 661-662
- Flake, Lester D., see Ratti, John T., ———, and Alan Wentz
- fledging success
 Buteo swainsoni, 234-240
 Gavia immer, 433-438
 Lanius ludovicianus, 303-308
 Larus atricilla, 547
 Pandion haliaetus, 243-255
- Flicker, Northern, see Colaptes auratus
 Yellow-shafted, see Colaptes auratus auratus
- Flower-piercer, Glossy, see Diglossa lafresnayii
- Flycatcher, Acadian, see Empidonax virescens
 Belted, see Xenotriccus callizonus
 Fork-tailed, see Tyrannus savana
 Great Crested, see Myiarchus crinitus
 Least, see Empidonax minimus
 Rusty-margined, see Myiozetetes cayanensis
 Social, see Myiozetetes similis
 Willow, see Empidonax traillii
- foraging
 behavior
 Anas acuta, 294-296
 Corvus brachyrhynchos, 153-155
 Dendroica coronata, 61-76
 Dysithamnus mentalis, 505-521
 intersexual differences
 Dendroica coronata, 581-590
 Junco hyemalis caniceps, 61-76
 Parus gambeli, 60-76
 Regulus calendula, 60-76
 Rynchops niger, 404-415
 Sphyrapicus varius, 60-76
 Sterna forsteri, 479-481
 Thamnomanes ardesiacus, 505-521
 schistogynus, 505-521
 spp., 505-521
 Thamnophilus schistaceus, 505-521
 Turdus spp., 155-157
- communal
 Aphelocoma ultramarina, 286-287
- ecology
 winter
 Rynchops niger, 404-415
- Forbes-Watson, A. D., review by, 165-166
- Formicariidae, 505-521
- Formicarius analis, 510
- Fouqueria sp., 244
- Fox, Glen A. and Dora Boersma, Characteristics of supernormal Ring-billed Gull clutches and their attending adults, 552-559
- fox, see Vulpes sp.
- Franzreb, Kathleen E., A comparison of avi-

- an foraging behavior in unlogged and logged mixed-coniferous forest, 60–76
 Franzreb, Kathleen E., Intersexual habitat partitioning in Yellow-rumped Warblers during the breeding season, 581–590
Fratercula arctica, 297, 492
 fratricide, see siblicide
 Friedmann, Herbert, review by, 496
Fulica americana, 42, 48, 49, 50, 158, 467–469
 americana americana, 469
 caribaea, 467–469
 spp., 42
Fundulus grandis, 412
 similis, 412
 Furnariidae, 106
 Gadwall, see *Anas strepera*
 Galbulidae, 505
 Galliformes, 138
Gallinula chloropus, 42, 48, 50, 157, 287
 spp., 42
Gallinule, Common, see *Gallinula chloropus*
Gallus gallus, 525
 Garrow, Scott P., see Brand, Christopher J., Ruth M. Duncan, ———, Dan Olson, and Leonard E. Schumann
 Gaston, Anthony J. and David N. Nettleship, The Thick-billed Murres of Prince Leopold Island, reviewed, 497–498
Gavia arctica, 431
 immer, 121–125, 125–132, 269–275, 431–439, 671–672, 672–673
 stellata, 125–132, 270
 Geller, Greg A. and Stanley A. Temple, Seasonal trends in body condition of juvenile Red-tailed Hawks during autumn migration, 492–495
Geospiza fortis, 159
 fuliginosa, 159
 scandens, 159
Geospizinae, 119, 158–160
Geothlypis trichas, 133, 138–140, 140–142, 430
 Gerrard, Edward C., Instinctive navigation of birds, reviewed, 163–165
Gerygone flavolateralis, 196
 Gill, Frank B., review by, 165–166
Gladkovia spp., 193
Glaucidium brasilianum, 114
 gluttony
 in *Fulica americana*, 158
Gnatcatcher, Blue-gray, see *Poliotilta caerulea*
 Gold, Clifford S. and Donald L. Dahlsten, Effects of parasitic flies (*Protocalliphora* spp.) on nestlings of Mountain and Chestnut-backed Chickadees, 560–572
Goldeneye, Barrow's, see *Bucephala islandica*
 Common, see *Bucephala clangula americana*
Goldfinch, American, see *Carduelis tristis*
Goose, Canada, see *Branta canadensis*
 Giant Canada, see *Branta canadensis maxima*
 White-fronted, see *Anser albifrons*
gopher, northern pocket, see *Thomomys talpoides*
 Gowaty, Patricia Adair, Overlap of two broods of Eastern Bluebirds in the same nest and brood reduction, 148–150
 Graber, Jean W. and Richard R. Graber, Expectable decline of forest bird populations in severe and mild winters, 682–690
 Graber, Richard R., see Graber, Jean W. and ———
 Grackle, Common, see *Quiscalus quiscula*
Grallaria sp., 4
Grallarica ferrugineipectus, 4, 5
 flavirostris, 4, 5
 lineifrons, 4
 loricata, 4
 nana, 4
 ochraceifrons, 1–6 (Frontispiece)
 peruviana, 4, 5
 Grant, Gilbert S., Avian incubation: Egg temperature, nest humidity and behavioral thermoregulation in a hot environment, reviewed, 702–703
 Grant, Gilbert S., John Warham, Ted N. Pettit, and G. Causey Whittow, Reproductive behavior and vocalizations of the Bonin Petrel, 522–539
grasshopper, see *Melanoplus* sp.
Grassquit, Cuban, see *Tiaris canora*
 Graves, Gary R., John P. O'Neill, and Theodore A. Parker, III, *Grallaricula*

- ochraceifrons, a new species of antpitta from northern Peru, 1-6
- Grebe, Eared, see *Podiceps caspicus*
- Greenlaw, Jon S. and Richard F. Miller, Calculating incubation periods of species that sometimes neglect their last eggs: The case of the Sora, 459-461
- Grosbeak, Black-headed, see *Pheucticus melanocephalus*
- Evening, see *Coccothraustes vespertinus*
- Rose-breasted, see *Pheucticus ludovicianus*
- Ground-Dove, Maroon-chested, see *Claravis mondetoura*
- Grouse, Blue, see *Dendragopus obscurus*
- Red, see *Lagopus lagopus*
- growth rate
- of cowbird-parasitized *Spiza americana*, 669-671
- nestling
- Cyanocorax beecheyi*, 256-268
- Grus canadensis*, 452
- Grzybowski, Joseph A., Patterns of use in grassland bird communities during winter, 591-602
- Guillemot, Black, see *Cepphus grylle*
- gull, see *Larus* spp.
- Gull, Black-billed, see *Larus bulleri*
- Black-headed, see *Larus ridibundus*
- California, see *Larus californicus*
- Dominican, see *Larus dominicanus*
- Glaucous-winged, see *Larus glaucescens*
- Great Black-backed, see *Larus marinus*
- Heermann's, see *Larus heermanni*
- Herring, see *Larus argentatus*
- Laughing, see *Larus atricilla*
- Lesser Black-backed, see *Larus fuscus*
- Ring-billed, see *Larus delawarensis*
- Western, see *Larus occidentalis*
- Gymnorhina tibicen, 137
- Gymnorhinus cyanocephalus*, 256
- Ha, Samuel J., see Reed, J. Michael and _____
- habitat
- alteration
- logging, 60-76
- associations
- of breeding birds, 77-96
- feeding
- Rynchops niger niger*, 404-415
- nesting
- Columba fasciata*, 464-466
- Molothrus ater*, 7-22
- Spiza americana*, 7-22
- selection, 87-90
- use
- by birds in altered environments, 60-76, 77-96
- Hair, Jay D., see Hepp, Gary R. and _____
- Haliaeetus leucocephalus*, 694-695
- Hamas, Michael J., Nest-site selection by Eastern Kingbirds in a burned forest, 475-477
- Hamel, Paul B., see Brunsweig, Norman L., Stephen G. Winton, and _____
- Haney, J. Christopher, First sight record of Orange-breasted Falcon for Belize, 314-315
- Hardy, John William, see Morrison, Michael L. and _____
- Harris, Larry D., see Black, Barbara and _____
- Hatch, Scott A., Nestling growth relationships of Brown-headed Cowbirds and Dickcissels, 669-671
- hatching
- asynchrony
- Buteo swainsoni*, 233-242
- success
- Gavia immer*, 434-435
- Pandion haliaetus*, 247-248
- Lanius ludovicianus*, 303-308
- Larus atricilla*, 544-547
- delawarensis*, 27
- Haverschmidt, F., First record of a Little Egret (*Egretta garzetta*) in Suriname, 315
- Hawk, Broad-winged, see *Buteo platypterus*
- Red-tailed, see *Buteo jamaicensis*
- Sharp-shinned, see *Accipiter striatus*
- Swainson's, see *Buteo swainsoni*
- Heagy, Patricia A. and Louis B. Best, Factors affecting feeding and brooding of Brown Thrasher nestlings, 297-303
- Heard, Scott, see Rohwer, Sievert, William P. Klein, Jr., and _____
- Hedrick, L. D. and A. D. Woody, Northern Mockingbird kills Cedar Waxwing, 157-158
- Heimberger, Marianne, David Euler, and Jack Barr, The impact of cottage de-

- velopment on Common Loon reproductive success in central Ontario, 431-439
Heliangelus exortis, 662
 strophianus, 658
Heliconia spp., 180
 Hellebuyck, Victor, Three new specimen records of birds for El Salvador, 662-664
 Hendricks, Paul, see Swenson, Jon E. and ———
 Hepp, Gary R. and Jay D. Hair, Reproductive behavior and pairing chronology in wintering dabbling ducks, 675-682
 Heron, Great Blue, see *Ardea herodias*
 Green-backed, see *Butorides striatus virescens*
 Lava, see *Butorides striatus sundevalli*
 Little Blue, see *Egretta caerulea*
 Striated, see *Butorides striatus striatus*
 herring, Atlantic thread, see *Opisthonema oglinum*
Heterospingus rubrifrons, 180
 Hier, Ross H., see Zicus, Michael C., ———, and Stephen J. Maxson
 Hirundinidae, 513, 515
Hirundo pyrrhonota, 471, 674-675
 rustica, 296-297, 565, 570
 spp., 196
 Honeycreeper, Hawaiian, see *Vestiaria coccinea*
Horeites spp., 186, 193
 Hughes, Commander A. M., The birds of Borneo, reviewed, 498-499
 human
 disturbance
 impact on *Gavia arctica*, 431
 on *Gavia immer*, 431-439
 on *Larus delawarensis*, 23-41
 ecology
 impact on *Larus delawarensis*, 362-383
 on *Larus atricilla*, 540-551
 on *Larus californicus*, 362-383
 Hummingbird, Giant, see *Patagona gigas*
 Ruby-throated, see *Archilochus colubris*
 Speckled, see *Adelomyia melanogenys*
 Sword-billed, see *Ensifera ensifera*
 Humphrey, Philip S., review by, 500-501
 Hussell, David J. T., Tree Swallow pairs raise two broods in a season, 470-471
Hyla crucifer, 56
Hylocichla mustelina, 89, 430, 626
Hylophylax poecilonota, 510
Hypocnemis cantator, 508
Icteria virens, 140, 276-280, 350, 430
 Icterinae, 453
Icterus galbula, 137, 430, 646
 icterus, 107-109, 112-116
 spp., 206
Inca, Collared, see *Coeligena torquata*
 incubation
 by males
 Calcarius ornatus, 472
 period
 Larus delawarensis, 283-286
 methods of estimating, 283-286, 459-461
 infanticide
 Progne subis, 146-148
 Sialia sialis, 150
 Tachycineta [*Iridoprocne*] *bicolor*, 147
Iridoprocne bicolor, see *Tachycineta bicolor*
Iridosornis sp., 4
 Jackson, Jerome A., Adaptive response of nesting Clapper Rails to unusually high water, 308-309
 Jaksic, Fabian M., review by, 317-319
 Jamieson, I. G., The shoulder-spot display in male Blue Grouse, 667-669
 jay, see *Cyanocitta* spp.
 Jay, Beechey, see *Cyanocorax* [*Cissilopha*] *beecheyi*
 Black-throated Magpie, see *Calocitta collicie*
 Blue, see *Cyanocitta cristata*
 Florida Scrub, see *Aphelocoma coerulescens coerulescens*
 Mexican, see *Aphelocoma ultramarina*
 Pinon, see *Gymnorhinus cyanocephalus*
 Scrub, see *Aphelocoma coerulescens*
 Jenkins, M. Alan, see McEaney, Terrence P. and ———
 Jenkinson, Marion Anne, see Wood, D. Scott, Richard L. Zusi, and ———
 Johnson, Dan M., see Arnold, Keith A. and ———
 Johnson, Ned K., review by, 162-163
 Judge, Debra S., Productivity of Ospreys in the Gulf of California, 243-255
 Junco, Dark-eyed, see *Junco hyemalis*
 (Gray-headed), see *Junco hyemalis caniceps*
Junco hyemalis, 603-620, 682-690

- hyemalis caniceps, 61-76
 hyemalis hyemalis, 628-635
- Kaufmann, Gerald W., Displays and vocalizations of the Sora and the Virginia Rail, 42-49
- Kendeigh, Charles S., Bird populations in east central Illinois: Fluctuations, variations, and development over a half-century, reviewed, 317
- Kestrel, see *Falco tinnunculus*
- Ketterson, Ellen D. and Val Nolan, Jr., Autumnal migratory fattening and Zugunruhe of Dark-eyed Juncos apparently suppressed by detention at the wintering site, 628-635
- Ketterson, Ellen D., see Nolan, Val, Jr., and _____
- killifish, diamond, see *Adenia xenica*
 Gulf, see *Fundulus grandis*
 longnose, see *Fundulus similis*
- King, Andrew P., see West, Meredith, J. A. Neil Stroud, and _____
- Kingbird, Eastern, see *Tyrannus tyrannus*
 Tropical, see *Tyrannus melancholicus*
- Kinglet, Golden-crowned, see *Regulus satrapa*
 Ruby-crowned, see *Regulus calendula*
- kin selection
Sialia sialis, 149
- Kiskadee, Great, see *Pitangus sulphuratus*
- Kittiwake, Black-legged, see *Rissa tridactyla*
- Klein, William P., Jr., see Rohwer, Sievert, _____, and Scott Heard
- Knopf, Barbara A., see Knopf, Fritz L. and _____
- Knopf, Fritz L. and Barbara A. Knopf, Flocking pattern of foraging American Crows in Oklahoma, 153-155
- Koenig, Walter D., review by, 698-700
- Kowalski, Michael P., Factors affecting the performance of flight songs and perch songs in the Common Yellowthroat, 140-142
- Kreithen, Melvin L., review by, 163-165
- Kridelbaugh, Alan, Nesting ecology of the Loggerhead Shrike in Central Missouri, 303-308
- Kroodsmas, Donald E., W. Roger Meservey, and Roberta Pickert, Vocal learning in the Parulinae, 138, 140
- Kushlan, James A., Pair formation behavior of the Galapagos Lava Heron, 118-121
- Lafresnaya lafresnayi, 658
- Lagopus lagopus, 665
- Lamar, William W., Unusual bathing behavior of the Fork-tailed Flycatcher in Colombia, 488-489
- Lamprolia spp., 196
victoriae, 196
langur, see *Presbytis entellus*
- Lanio versicolor, 509
- Lanius ludovicianus, 303-308
- Laridae, 42
- Lark, Horned, see *Eremophila alpestris*
- Larus argentatus, 23, 36, 37, 38, 271-274, 297, 372, 461, 477-478, 545, 552, 556
atricilla, 540-551
bulleri, 461-462
californicus, 36, 296-297, 362-383, 552
delawarensis, 23-41, 269-274, 283-286, 362-383, 552-559
dominicanus, 372
fuscus, 372
glaucescens, 23, 36, 38
heermanni, 36
marinus, 372
occidentalis, 23, 36, 285, 552
ridibundus, 39, 461
 spp., 269-275
- Laymon, Stephen A., California Gull captures flying Barn Swallow with its bill, 296-297
- learning
 vocal
 Parulinae, 138-140
- Leo leo, 150
- Leptopogon sp., 4
- lion, see *Leo leo*
- lizard, western fence, see *Sceloporus occidentalis*
- Lloyd-Evans, Trevor, review by, 702-703
- Locke, Brian A., see Conner, Richard N., James G. Dickson, _____, and Charles G. Segelquist
- Loftin, Robert W. and Don Roberson, Infanticide by a Purple Martin, 146-148
- Lombardo, Michael P., Female Tree Swallow lays three clutches during one breeding season, 146

- Longspur, Chestnut collared, see *Calcarius ornatus*
 Lapland, see *Calcarius lapponicus*
 Smith's, see *Calcarius pictus*
 Loon, Arctic, see *Gavia arctica*
 Common, see *Gavia immer*
 Red-throated, see *Gavia stellata*
 Lumsden, Harry G. and Vernon G. Thomas,
 Malformation of the oviduct in a Canada Goose, 311-313
 Magpie, Black-backed, see *Gymnorhina tibicen*
 Black-billed, see *Pica pica*
 Mallard, see *Anas platyrhynchos*
 Malurinae, 184
Malurus spp., 184
Manacus manacus, 324
 Manakin, Band-tailed, see *Pipra fasciicauda*
 Blue-rumped, see *Pipra isidorei*
 Cerulean-rumped, see *Pipra caeruleocapilla*
 Crimson-hooded, see *Pipra aureola*
 Golden-headed, see *Pipra erythrocephala*
 Long-tailed, see *Chiroxiphia linearis*
 Red-capped, see *Pipra mentalis*
 Red-headed, see *Pipra rubrocapilla*
 Round-tailed, see *Pipra chloromeros*
 Snow-capped, see *Pipra natterei*
 Swallow-tailed, see *Chiroxiphia caudata*
 White-bearded, see *Manacus manacus*
 White-fronted, see *Pipra serena*
 Wire-tailed, see *Pipra filicauda*
 mangabey, gray-cheeked, see *Cercocebus albiginea*
 Martin, House, see *Delichon urbica*
 Purple, see *Progne subis*
 Martin, Richard Mark, Encyclopedia of aviculture, reviewed, 706
 Master, Lawrence L., see Payne, Robert B. and ———
 mating system
Pipra fasciicauda, 321-342
 Maxson, Stephen J., see Zicus, Michael C., Ross H. Hier, and ———
 McCabe, Robert A., review by, 700-702
 McCurdy, Gary F., American Coot apparently suffocates while attempting to swallow lizard, 158
 McEaney, Terrence P. and M. Alan Jenkins, Bald Eagle predation on domestic sheep, 694-695
 McIntyre, Judith W. and Jack F. Barr, Pre-migratory behavior of Common Loons on the autumn staging grounds, 121-125
 McKittrick, Mary C., reviews by, 161-162, 316
 meadowlark, see *Sturnella* spp.
 Meadowlark, Eastern, see *Sturnella magna*
 Western, see *Sturnella neglecta*
 meetings and conferences
 annual conference, National Wildlife Rehabilitation Association, 1984, 320
 annual meeting, The Wilson Ornithological Society, 1983, 59
 Chihuahuan Desert symposium, 117
 proceedings WOS 64th annual meeting, 1983, 706-716
Megalurulus spp., 184
Melanerpes carolinus, 425, 429, 490-491, 682-690
 erythrocephalus, 425, 429, 490, 682-690
 formicivorus, 144-145, 490
Melanitta deglandi, 270
Melanoplus sp., 237
 Meleagris gallopavo, 452
Melospiza melodia, 12, 15, 80-94, 430, 664, 673
Menidia beryllina, 412
 Meservey, W. Roger, see Kroodsmas, Donald E., ———, and Roberta Pickert
Metallura sp., 4
 tyrianthina, 658, 660
 Metaltail, Tyrian, see *Metallura tyrianthina*
Microcerculus dauilias, 170
 luscina, 170-183 (Frontispiece)
 marginatus, 170
 marginatus marginatus, 180-181
 marginatus squamulatus, 181
 marginatus taeniatus, 181
 marginatus philomela, 170
 orpheus, 170
 philomela, 170-183 (Frontispiece)
 spp., 169-183
Microtus montanus, 237
 migration
Branta canadensis, 209-221
 elevational
Eriocnemis nigrivestis, 660-661
Gavia spp., 125-132

- Miller, Michael R., Foraging dives by post-breeding Northern Pintails, 294–296
- Miller, Richard F., see Greenlaw, Jon S. and _____
- mimicry
vocal
 Sturnus vulgaris, 635–640
- Mimidae, 97–105
- Mimus polyglottos*, 96–105, 157–158
- Mitchell, Christine A., see White, Donald H., _____, and Richard M. Prouty
- Mniotilta varia*, 80–94, 276–280, 350
- Mockingbird, Northern, see *Mimus polyglottos*
- Molothrus ater*, 7–22, 150–153, 430, 635, 646, 669–671
 bonariensis, 670
- molt
 Passer montanus, 287–294
 Pheucticus ludovicianus, 621–627
 prealternate
 Setophaga ruticilla, 199–208
- Morris, Ralph D., see Chardine, John W. and _____
- Morrison, Michael L. and John William Hardy, Vocalizations of the Black-throated Gray Warbler, 640–643
- mortality
 in *Buteo swainsoni*, 235–240
 in *Cyanocorax beecheyi*, 256–268
 in *Larus delawarensis* due to human disturbance, 23–41
 in *Pandion haliaetus*, 243–255
 winter
 Molothrus ater, 150–153
- mouse, deer, see *Peromyscus maniculatus*
- Mugulidae, 413
- Murray, Bertram G., Notes on the breeding biology of Wilson's Phalaropes, 472–475
- Murre, Common, see *Uria aalge*
- Muscidae, 262
- Mustela frenata*, 237
- Mydaea* sp., 262–264
- Myiarchus crinitus*, 429
- Myiozetetes cayanensis*, 114, 489
 similis, 488
- Myotis* spp., 144
- Myrmotherula schisticolor*, 463
 spp., 508
- Nectariniidae, 625
- needlenose, see Belonidae
- Nelson, David H., A Common Loon nest from New Hampshire containing four eggs, 672–673
- Nelson, Colleen Helgeson, Eye-color changes in Barrow's Goldeneye and Common Goldeneye ducklings, 482–488
- nest
 construction
 Lanius ludovicianus, 303–308
 Phacellodomus rufifrons, 106
 Cettia diphone borealis, 190
 Cettia diphone cantans, 190
 Cettia fortipes fortipes, 190
 Cettia spp., 190
 Pandion haliaetus, 244–245
 Psamathia annae, 190
 placement
 suboptimal
 Hirundo pyrrhonota, 674–675
 radiotelemetric location of
 Columba fasciata, 464
 site
 Catharus guttatus, 160
 Pandion haliaetus, 244
 selection
 Gavia immer, 433–434
 Lanius ludovicianus, 303–308
 Tyrannus tyrannus, 475–477
- nesting
 density
 Spiza americana, 17–20
 Rallus longirostris, 308–309
 success
 in shelterbelts
 Turdus migratorius, 573–580
 Zenaidra macroura, 573–580
- nestling
 behavior
 Phalaenoptilus nuttallii, 309–310
 Porzana carolina, 52
 Rallus limicola, 52
 development
 Mimidae, 97–105
 diet
 Buteo swainsoni, 234–237
 Mimidae, 97–105
 growth
 Mimidae, 97–105

- weight
Buteo swainsoni, 236–237
 Nettleship, David N., see Gaston, Anthony J. and ———
 Nighthawk, Common, see *Chordeiles minor*
 Night-heron, Black-crowned, see *Nycticorax nycticorax*
 nightingale-wren, see *Microcerulus* spp.
 Nol, Erica and Hans Blokpoel, Incubation period of Ring-billed Gulls and the egg immersion technique, 283–286
 Nolan, Val, Jr., and Ellen D. Ketterson, An analysis of body mass, wing length, and visible fat deposits of Dark-eyed Juncos wintering at different latitudes, 603–620
 Nolan, Val, Jr., see Ketterson, Ellen D. and ———
 Nuthatch, Brown-headed, see *Sitta pusilla*
 White-breasted, see *Sitta carolinensis*
Nycticorax nycticorax, 271
Oceanites oceanicus, 478–479
Oceanodroma furcata, 478
 leucorhoa, 524
 ocotillo, see *Fouqueria* sp.
Odocoileus hemionus, 695
 Olalla P., Manuel, see Bleiweiss, Robert and ———
 Oldsquaw, see *Clangula hyemalis*
 olfaction
Pterodroma hypoleuca, 525
 Olson, Dan, see Brand, Christopher J., Ruth M. Duncan, Scott P. Garrow, ———, and Leonard E. Schumann
 Olson, Storrs L., see Feduccia, Alan and ———
 O'Neill, John P., see Graves, Gary R., ———, and Theodore A. Parker, III
 Ontario Field Naturalists, new journal—Ontario Birds, reviewed, 705
Opisthonema oglinum, 412
Oporornis formosus, 276–280, 430
 philadelphia, 205
 Orenstein, Ronald I. and H. Douglas Pratt, The relationships and evolution of the southwest Pacific warbler genera *Vitia* and *Psamathia* (Sylviinae), 184–198
Oreoscoptes montanus, 101–102, 104
 Oriole, Northern, see *Icterus galbula*
 oriole, see *Icterus* spp.
Orthotomus, 184
Ortygocichla spp., 184
 Osprey, see *Pandion haliaetus*
Otus asio, 343
 Ovenbird, see *Seiurus aurocapillus*
Ovis sp., 694–695
 Owl, Barred, see *Strix varia*
 Burrowing, see *Athene cucularia*
 Great Horned, see *Bubo virginianus*
 Short-eared, see *Asio flammeus*
Pachycereus pringlei, 244
Palaemonetes intermedius, 412
 pugit, 412
 vulgaris, 412
Pandion haliaetus, 243–255, 479
 Parakeet, Carolina, see *Conuropsis carolinensis*
 parasitism
 on *Cyanocitta beecheii*, 262–264
 on *Parus gambeli*, 560–572
 on *Parus rufescens*, 560–572
 brood
 on *Spiza americana*, 7–22
 parental care
 division of
 in *Setophaga ruticilla*, 673–674
Toxostoma rufum, 297–303
 Paridae, 228–229
 Parker, Theodore A., III, see Graves, Gary R., John P. O'Neill, and ———
 Parkes, Kenneth C., see Cannell, Peter F., Jeffrey D. Cherry, and ———
 Parrot, African Grey, see *Psittacus erithacus*
 Blue-headed, see *Pionus menstruus*
 Partridge, Hungarian, see *Perdix perdix*
Parula americana, 276–280, 430
Parula, Northern, see *Parula americana*
 Parulinae, 87, 138–140
Parus ater, 687
atricapillus, 227, 229, 313–314, 343–348, 429, 446, 682–690
 bicolor, 222–232, 350, 429
 bicolor bicolor, 682–690
caeruleus, 311
carolinensis, 229, 350, 682–690
gambeli, 60–76, 560–572
inornata, 229
 major, 157, 229, 311, 314, 561, 570, 603, 664
montanus, 229

- palustris*, 229
rufescens, 560–572
 spp., 87, 314
Passer domesticus, 147, 148, 237, 240, 290,
 430, 603, 682–690
 montanus, 287–294
Passerculus sandwichensis, 593–602
 Passeriformes, 138
Passerina cyanea, 205, 276–280, 350, 430
 spp., 206
Patagona gigas, 661–662
 gigas gigas, 661–662
 gigas peruviana, 661–662
 sp., 662
 Payne, P. Michael, Kevin D. Powers, and
 James E. Bird, Opportunistic feeding
 on whale fat by Wilson's Storm-Petrels
 in the western North Atlantic, 478–479
 Payne, Robert B., A distributional checklist
 of the birds of Michigan, reviewed, 499–500
 Payne, Robert B., Species limits in the indigobirds
 (Ploceidae, Vidua) of West Africa: Song, mimicry,
 and description of new species, reviewed, 316
 Payne, Robert B. and Lawrence L. Master,
 Breeding of a mixed pair of white-shielded
 and red-shielded American Coots in Michigan,
 467–469
 Peck, Robert McCracken, A celebration of
 birds, reviewed, 700–702
Pelecanus occidentalis, 244
 Pelican, Brown, see *Pelecanus occidentalis*
Perca flavescens, 121
 perch, yellow, see *Perca flavescens*
Perdix perdix, 237
Peromyscus maniculatus, 237
 Pettit, Ted N., see Grant, Gilbert S., John
 Warham, ———, and G. Causey
 Whittow
 Petrel, Bonin, see *Pterodroma hypoleuca*
Peucedramus taeniatus, 200, 206
Phacellodomus rufifrons, 106–117
 rufifrons inornata, 106–117
 spp., 106
Phalaenoptilus nuttallii, 309–310
 Phalarope, Red, see *Phalaropus fulicarius*
 Red-necked, see *Phalaropus lobatus*
 Wilson's, see *Phalaropus tricolor*
Phalaropus fulicarius, 473
 lobatus, 473
 tricolor, 472–475
Phasianus colchicus, 237
 Pheasant, Ring-necked, see *Phasianus colchicus*
Pheucticus ludovicianus, 80–94, 430, 621–627
 melanocephalus, 132–138
 spp., 206
 Phoebe, Eastern, see *Sayornis phoebe*
Phylloscopus bonelli, 281
 spp., 634
Pica pica, 157, 237
Picea engelmanni, 60–76
 spp., 60
 Piciformes, 138, 581
 Pickert, Roberta, see Kroodsmma, Donald E.,
 W. Roger Meservey, and ———
Picoides borealis, 357
 pubescens, 227, 429, 682–690
 villosus, 425, 429
 Pigeon, Band-tailed, see *Columba fasciata*
 Wood, see *Columba palumbus*
 Pintail, Northern, see *Anas acuta*
Pionus menstruus, 180
Pipilo erythrophthalmus, 430, 664–667
Pipra aureola, 322
 caeruleocapilla, 337
 chloromeros, 337
 erythrocephala, 324
 fasciata, 321–342
 filicauda, 322, 326
 isidorei, 337
 mentalis, 337
 natterei, 337
 rubrocapilla, 337
 serena, 337
 Pipridae, 321
 piracy
 of *Phacellodomus rufifrons* nests by *Icterus
 icterus*, 112–113
Piranga olivacea, 430
 rubra cooperi, 206
 rubra rubra, 206
 spp., 206
Pitangus sulphuratus, 489
Pituophis melanoleucus, 237
Platypiza crassirostris, 159
 Plover, Egyptian, see *Pluvianus aegyptius*
 plumage

- Butorides striatus sundevalli*, 118–119
Cettia diphone cantans, 191
 diphone seebohmi, 191
 delayed maturation
 Setophaga ruticilla, 199–208
 immature
 *Microcerculus luscini*a, 173–174
 philomela, 173
 juvenal
 *Microcerculus luscini*a, 173
 philomela, 172–173
 Vitia parens, 191
Microcerculus spp., 169–183
Pipra caeruleocapilla, 337
 chloromeros, 337
 isidorei, 337
 mentalis, 337
 natterei, 337
 rubrocapilla, 337
 serena, 337
Psamathia annae, 191
Setophaga ruticilla, 199–208
Vitia parens, 190–191
 ruficapilla badiceps, 191
 ruficapilla castaneoptera, 191
 ruficapilla funebris, 191
 ruficapilla ruficapilla, 191
Pluvianus aegyptius, 155
Podiceps caspicus, 270
Polioptila caerulea, 430
Polyborus spp., 155
 polygyny
 Larus delawarensis, 552–559
Poocetes gramineus, 593–602, 647–655
Poorwill, Common, see *Phalaenoptilus nuttallii*
 population dynamics
 Larus californicus, 362–383
 delawarensis, 362–383
 Pandion haliaetus, 243–255
 seasonal
 Branta bernicla, 384–403
 canadensis, 384–403
 winter decline of forest bird, 682–690
Porphyrio spp., 42
Porphyryla spp., 42
Porzana carolina, 42–49, 459–461
 Powers, Kevin D. and Jeffrey Cherry, Loon migrations off the coast of the north-eastern United States, 125–132
 Powers, Kevin D., see Payne, P. Michael, ———, and James E. Bird
 prairie dog, see *Cynomys* sp.
 Pratt, H. Douglas, see Orenstein, Ronald I. and ———
 Prendergast, Col. E. D. V. and J. V. Boys, *The birds of Dorset*, reviewed, 704
Presbytis entellus, 150
 Prestt, Ian, British birds, reviewed, 500
Prionace glauca, 478
Progne subis, 144, 145, 146–148, 205, 206, 207, 471
Protocalliphora azurea, 568
 hirudo, 560
 sialia, 566
 spp., 470, 560–572
 Prouty, Richard M., see White, Donald H., Christine A. Mitchell, and ———
Prunella modularis, 157
Psamathia annae, 184–198
 spp., 184–198
Pseudotsuga menziesii, 60–76
Psittaciformes, 138
Psittacus erithacus, 639
Pterodroma hypoleuca, 522–539
 inexpectata, 524, 535
 macroptera gouldi, 535
 spp., 525
Pterophanes cyanopterus, 661
Puffin, Atlantic, see *Fratercula arctica*
 Common, see *Fratercula arctica*
Puffinus pacificus, 523, 524
 puffinus, 297
 puffinus newelli, 527
 spp., 528
Puffleg, Black-breasted, see *Eriocnemis nigrivestis*
 Glowing, see *Eriocnemis vestitus*
 Sapphire-vented, see *Eriocnemis luciani*
Pygmy-Owl, Ferruginous, see *Glaucidium brasilianum*
Pyrrhula pyrrhula, 137
Quiscalus quiscula, 430, 574, 646
 rabbit, desert cotton-tail, see *Sylvilagus audubonii*
 Raikow, Robert J., reviews by, 166, 168, 499–500, 502, 503, 705
 Rail, Clapper, see *Rallus longirostris*

- King, see *Rallus elegans*
 Virginia, see *Rallus limicola*
 Yellow, see *Coturnicops noveboracensis*
- Raitt, Ralph J., see Winterstein, Scott R. and ———
- Rallidae, 42
- Rallus elegans*, 309
limicola, 42–59
longirostris, 308–309
- Ramphomicon microrhynchum*, 658
- range expansion
 winter
Coccothraustes vespertinus, 452
- Ratti, John T., Lester D. Flake, and Alan Wentz, Waterfowl ecology and management: Selected readings, reviewed, 167–168
- Raveling, Dennis G., see Wege, Michael L. and ———
- Raven, Common, see *Corvus corax*
- recognition
 individual by song
Pheucticus melanocephalus 132–138
 mate
Pheucticus melanocephalus, 138
 parent-offspring
Tachycineta thalassina, 144
- Redhead, see *Aythya americana*
- Redstart, American, see *Setophaga ruticilla*
- Redwing, see *Turdus iliacus*
- Reed, J. Michael and Samuel J. Ha, Enhanced foraging efficiency in Forster's Terns, 479–481
- Regulus calendula*, 682–690
satrapa, 682–690
- reproductive success
Gavia immer, 431–439
- requests for assistance
 for information on marked Turkey Vultures, 504
- Rhegmatophina melanosticta*, 510
- Rich, Terrell, Incomplete songs and associated behavior of Sage Sparrows, 281–282
- Riparia riparia*, 144
- Rissa tridactyla*, 38
- Ritchison, Gary, Responses of Black-headed Grosbeaks to songs of conspecifics, 132
- Ritchison, Gary, Vocalizations of the White-breasted Nuthatch, 440–451
- Ritter, Glen, see Burger, Joanna, Richard Trout, Wade Wander, and ———
- Robbins, Mark B., The display repertoire of the Band-tailed Manakin (*Pipra fasciicauda*), 321–342
- Roberson, Don, see Loftin, Robert W. and ———
- Robin, American, see *Turdus migratorius*
 European, see *Erithacus rubecula*
- Rohwer, Sievert, William P. Klein, Jr., and Scott Heard, Delayed plumage maturation and the presumed prealternate molt in American Redstarts, 199–208
- roosting
 function of, in *Larus bulleri*, 461–462
Molothrus ater, 150–153
- Rowe, Richard, Comparative preening behavior of wild-caught Canada Geese and Mallards, 690–694
- Rupicolidae, 161
- Rynchopidae, 404
- Rynchops niger niger*, 404–415
- Samson, Fred B., see Brawn, Jeffrey D. and ———
- Samuel, David E., see Shissler, Bryon P. and ———
- Sanderling, see *Calidris alba*
- Sapphirewing, Great, see *Pterophanes cyanopterus*
- Sapsucker, Yellow-bellied, see *Sphyrapicus varius*
- Saul, Lilian J., Red-bellied Woodpecker responses to accipiters, 490–491
- Sayornis phoebe*, 80–94
- Schizoea* sp., 4
- Schreiweiss, Donald O., A comparative study of the appendicular musculature of penguins (Aves: Sphenisciformes), reviewed, 166–167
- Schulenberg, Thomas S., Foraging behavior, eco-morphology, and systematics of some antshrikes (Formicariidae: *Thamnomanes*), 505–521
- Schumann, Leonard E., see Brand, Christopher J., Ruth M. Duncan, Scott P. Garrow, Dan Olson, and ———

- Sceloporus occidentalis*, 158
 Sciaenidae, 413
 Sciuiridae, 577
Sciurus carolinensis, 442, 443, 452
Scolopax minor, 655–656
 Scoter, White-winged, see *Melanitta deglandi*
 Screech-Owl, Eastern, see *Otus asio*
 Segelquist, Charles G., see Conner, Richard N., James G. Dickson, Brian A. Locke, and ———
Seiurus aurocapillus, 80–94, 137, 140, 430, 667, 669, 674
 motacilla, 276–280
Sericornis nouhuysi, 184
 spp., 184
Setophaga ruticilla, 80–94, 199–208, 430, 673–674
 shark, blue, see *Prionace glauca*
 Shearwater, Manx, see *Puffinus puffinus*
 Newell's, see *Puffinus puffinus newelli*
 Wedge-tail, see *Puffinus pacificus*
 Shedd, Douglas H., Seasonal variation in mobbing intensity in the Black-capped Chickadee, 343–348
 Sheldon, Frederick H., review by, 498–499
 Shissler, Bryon P. and David E. Samuel, Observations of male woodcock on singing grounds, 655–656
 Short, Lester L., Woodpeckers of the world, reviewed, 698–700
 Shoveler, Northern, see *Anas clypeata*
 Shrike, Loggerhead, see *Lanius ludovicianus*
 Shrike-Tanager, White-winged, see *Lanio versicolor*
Sialia mexicana, 565
 sialis, 148–150
 siblicide
 Buteo swainsoni, 233, 235, 240
 Sialia sialis, 150
 Silktail, see *Lamprolia victoriae*
 silverside, tidewater, see *Menidia beryllina*
 site recognition
 by migratory Junco hyemalis hyemalis, 628–635
Sitta canadensis, 450, 565
 carolinensis, 425, 429, 440, 451, 682–690
 europaea, 450
 pusilla, 350
 Skimmer, North American Black, see *Rynchops niger niger*
 skua, see *Catharacta* sp.
 Skua, South Polar, see *Catharacta macrorhynchos*
 Smith, P. William, reviews by, 500, 704
 snake, gopher, see *Pituophis melanoleucus*
 Snow, David, The Cotingas, reviewed, 161–162
Somateria mollissima, 401
 song
 Cettia acanthizoides, 186, 187
 brunnifrons, 186, 187
 cetti, 186
 diphone, 186, 187
 diphone cantans, 187
 flavolivacea, 187
 fortipes, 186
 fortipes davidianus, 187
 (Horeites) spp., 187
 major, 187
 spp., 187
 squameiceps, 186
 subulata, 186
 [Urosphena] pallidipes, 186
 [Urosphena] squameiceps, 186
 [Urosphena] subulata, 186
 [Urosphena] whiteheadi, 186
 vulcania, 186
 vulcania oreophila, 187
 whiteheadi, 186
Dendroica pensylvanica, 138–140
 female
 Agelaius phoeniceus, 643–647
 flight
 Geothlypis trichas, 140–142
Geothlypis trichas, 140–142
 perch
 selection by sagebrush-grassland birds, 647–655
Pheucticus melanocephalus, 132–138
Psamathia annae, 186
 spp., 187
 response to by female *Agelaius phoeniceus*, 643–647
 type
 Microcerculus luscini, 171–172
 philomela, 171–172

- spp., 169–183
Vitia parens, 185–186
ruficapilla, 185, 186
ruficapilla badiceps, 184–185
ruficapilla castaneoptera, 185
spp., 187
Sora, see *Porzana carolina*
Sparrow, Baird's, see *Ammodramus bairdii*
Brewer's, see *Spizella breweri*
Chipping, see *Spizella passerina*
Clay-colored, see *Spizella pallida*
Eurasian Tree, see *Parus montanus*
Field, see *Spizella pusilla*
Grasshopper, see *Ammodramus savannarum*
House, see *Passer domesticus*
LeConte's, see *Ammodramus lecontei*
Rufous-collared, see *Zonotrichia capensis*
Sage, see *Amphispiza belli*
Savannah, see *Passerculus sandwichensis*
Song, see *Melospiza melodia*
spp., see *Ammodramus* spp.
Vesper, see *Poocetes gramineus*
White-crowned, see *Zonotrichia leucophrys*
White-throated, see *Zonotrichia albicollis*
spatial relationships
Gavia immer, 122–123
Sphyrapicus varius, 60–76, 80–94
Spinetail, Pale-breasted, see *Synallaxis albescens*
Yellow-throated, see *Certhiaxis cinnamomeus*
Spiza americana, 7–22, 669–671
Spizella breweri, 647–655
pallida, 282
passerina, 430
pusilla, 137, 430, 576
spring peeper, see *Hyla crucifer*
squirrel, Columbian ground, see *Citellus*
(= *Spermophilus*) *columbianus*
gray, see *Sciurus carolinensis*
red, see *Tamiasciurus hudsonicus*
Starfrontlet, Buff-winged, see *Coeligena lutetiae*
Starling, European, see *Sturnus vulgaris*
Sterninae, 625
Sterna caspia, 36, 38
forsteri, 479–481
fuscata, 36
hirundo, 36, 286, 413, 479
maxima, 413
sandvicensis, 479
Stewart, Paul A., Adoption of introduced young and neglect of own by nesting Black Vultures, 310–311
Stiles, F. Gary, The Rufous-rumped Antwren (*Terenura callinota*) in Costa Rica, 462–464
Stiles, F. Gary, The taxonomy of Microcerulus wrens (Troglodytidae) in Central America, 169–183
Stizostedion vitreum, 121
Stoddard, Philip K., Violation of ideal nest placement: Cliff Swallows entombed by their own excrement, 674–675
Storm-Petrel, Fork-tailed, see *Oceanodroma furcata*
Leach's, see *Oceanodroma leucorhoa*
Wilson's, see *Oceanites oceanicus*
Strait, Kenneth A., see Wackenhut, P. B., ———, and Robert C. Whitmore
Strix varia, 442, 443
Stroud, A. Neil, see West, Meredith J., ———, and Andrew P. King
Sturnella magna, 15, 654, 671
neglecta, 237, 646, 647–655
spp., 177
Sturnus vulgaris, 147, 237, 297, 430, 453, 603, 682–690
sucker, see Catostomidae
Sunangel, Gorgeted, see *Heliangelus strophianus*
Tourmaline, see *Heliangelus exortis*
survival rates
winter
Molothrus ater, 150–153
Swallow, Bank, see *Riparia riparia*
Barn, see *Hirundo rustica*
Cliff, see *Hirundo pyrrhonota*
Tree, see *Tachycineta [Iridoprocne] bicolor*
Violet-green, see *Tachycineta thalassina*
Swenson, Jon E. and Paul Hendricks, Chick movements in Common Poorwills, 309–310
Swift, White-throated, see *Aeronautes saxatilis*
Sylviinae, 184–198
Sylvilagus auduboni, 237
Synallaxis albescens, 107
systematics

- Thamnomanes spp., 505–521
 Tachyphonus rufiventer, 509
 Tachycineta [Iridoprocne] bicolor, 146, 147, 470–471
 thalassina, 142–145
 Tamias striatus, 599
 Tamiasciurus hudsonicus, 443, 574, 577
 tanager, see Piranga spp.
 Tanager, Yellow-crested, see Tachyphonus rufiventer
 Scarlet, see Piranga olivacea
 Sulphur-rumped, see Heterospingus rubrifrons
 Summer, see Piranga rubra
 Tangara spp., 509
 Tapera naevia, 114
 Taxodium distichum, 452
 taxonomy
 Cettia spp., 184–198
 Grallaricula ochraceifrons, 1–3
 Microcerculus spp., 169–183
 Psamathia annae, 184–198
 Vitia spp., 184–198
 Teal, Green-winged, see Anas crecca carolinensis
 Telfair, Raymond C., II, Atypically colored Little Blue Heron eggs, 481–482
 Temple, Stanley A., review by, 317
 Temple, Stanley A., see Geller, Greg A., and ———
 Terenura callinota, 462–464
 humeralis, 463
 spp., 463
 Tern, Caspian, see Sterna caspia
 Common, see Sterna hirundo
 Sandwich, see Sterna sandvicensis
 Sooty, see Sterna fuscata
 territoriality
 interspecific
 Microcerculus spp., 177
 territory
 defense of feeding
 Mimus polyglottos, 157–158
 size
 relation to food supply in Pipilo erythrophthalmus, 664–667
 Thamnomanes ardesiacus, 506
 caesius, 506
 occidentalis, 514
 plumbeus, 514, 515
 plumbeus leucostictus, 518
 ruficapillus, 517
 saturninus, 515
 schistogynus, 506 (Frontispiece)
 Thamnophilus murinus, 516
 schistaceus, 509
 spp., 505–521
 unicolor, 516
 Thomas, Betsy Trent, The Plain-fronted Thornbird: Nest construction, material choice, and nest defense behavior, 106–117
 Thomas, Vernon G., see Lumsden, Harry G., and ———
 Thomomys talpoides, 237
 Thornbill, Purple-backed, see Ramphocoron microhynchum
 Thornbird, Plain-fronted, see Phacellodomus rufifrons
 Thrasher, see Toxostoma spp.
 Brown, see Toxostoma rufum
 Curve-billed, see Toxostoma curvirostre
 Long-billed, see Toxostoma longirostre
 Sage, see Oreoscoptes montanus
 Thripadectes sp., 4
 Thrush, see Turdus spp.
 Hermit, see Catharus guttatus
 Mistle, see Turdus viscivorus
 Song, see Turdus philomelos
 Swainson's, see Catharus ustulatus
 Wood, see Hylocichla mustelina
 Thryomanes bewickii, 563
 Thryothorus ludovicianus, 276–280, 350
 Tiaris canora, 282
 tide, response to by Branta spp., 384–403
 Tit, Blue, see Parus caeruleus
 Coal, see Parus ater
 Great, see Parus major
 Marsh, see Parus palustris
 Willow, see Parus montanus
 Titman, Roger, see Clark, Robert G., Patrick J. Weatherhead, and ———
 Titmouse, Plain, see Parus inornata
 Tufted, see Parus bicolor
 Tityra spp., 162
 Tomkies, Mike, Golden eagle years, reviewed, 501
 Towhee, Rufous-sided, see Pipilo erythrophthalmus
 Toxostoma curvirostre, 96–105
 longirostre, 96–105
 rufum, 297–303, 430

- spp., 155
- Troglodytes aedon, 430
- Troglodytidae, 169–183
- Troupial, see *Icterus icterus*
- Trout, Richard, see Burger, Joanna, ———, Wade Wander, and Glen Ritter
- Turdus iliacus*, 156, 297
- merula*, 156, 281, 297, 674
- migratorius*, 80–94, 157, 343, 346, 430, 573–580
- musicus*, see *Turdus iliacus*
- philomelos*, 156
- spp., 155–157, 196
- viscivorus*, 157
- Turkey, Wild, see *Meleagris gallopavo*
- Tyrannidae, 505
- Tyrannus melancholicus*, 489
- savana*, 488–489
- tyrannus*, 475–477
- Uria aalge*, 479
- Urosphena* spp., 186
- variation
- seasonal
- in mobbing intensity in *Parus atricapillus*, 343–348
- Veery, see *Catharus fuscescens*
- vegetation characteristics, importance of to songbirds, 349–361
- Velvetbreast, Mountain, see *Lafresnaya lafresnayi*
- Vermivora pinus*, 140
- Vestiaria coccinea*, 667
- Violetear, Sparkling, see *Colibri coruscans*
- vireo, see *Vireo* spp.
- Vireo*, Red-eyed, see *Vireo olivaceus*
- White-eyed, see *Vireo griseus*
- Yellow-throated, see *Vireo flavifrons*
- Vireo flavifrons*, 430
- griseus*, 282, 350, 430
- olivaceus*, 15, 80–94, 276–280, 350, 430, 626
- spp., 276–280, 282
- Vitia parens*, 184–198
- ruficapilla*, 184–198
- ruficapilla badiceps*, 184–198
- ruficapilla castaneoptera*, 184–198
- ruficapilla funebris*, 184–198
- ruficapilla ruficapilla*, 184–198
- spp., 184–198
- vocalizations
- Agelaius phoeniceus*, 643
- Amphispiza belli*, 281–282
- Butorides striatus sundevalli*, 119
- Dendroica nigrescens*, 640–643
- Grallaricula* spp., 4
- juvenile
- Sitta carolinensis*, 447–449
- Parus atricapillus*, 313–314
- Pheucticus melanocephalus*, 132–138
- Pipra fasciicauda*, 326–328
- filicauda*, 326, 328
- Porzana carolina*, 42–59
- Pterodroma hypoleuca*, 522–539
- Rallus limicola*, 42–59
- Sitta canadensis*, 450
- carolinensis*, 440–451
- europaea*, 450
- Tachycineta thalassina*, 142–145
- vole, mountain, see *Microtus montanus*
- Vulpes* sp., 38
- Vulture, Black, see *Coragyps atratus*
- Wackenhut, P. B., Kenneth A. Strait, and Robert C. Whitmore, Probable investigator-induced egg drop by a Horned Lark, 489–490
- walleye, see *Stizostedion vitreum*
- Wander, Wade, see Burger, Joanna, Richard Trout, ———, and Glen Ritter
- warbler, see *Dendroica* spp.
- Warbler, Black-and-white, see *Mniotilta varia*
- Blackburnian, see *Dendroica fusca*
- Black-throated Blue, see *Dendroica caerulescens*
- Black-throated Gray, see *Dendroica nigrescens*
- Black-throated Green, see *Dendroica virens*
- Blue-winged, see *Vermivora pinus*
- Bonelli's, see *Phylloscopus bonelli*
- Canada, see *Wilsonia canadensis*
- Cerulean, see *Dendroica cerulea*
- Cetti's, see *Cettia cetti*
- Chestnut-sided, see *Dendroica pennsylvanica*
- Fiji, see *Vitia ruficapilla*
- Great Reed, see *Acrocephalus arundinaceus*

- Hooded, see *Wilsonia citrina*
 Kentucky, see *Oporornis formosus*
 Magnolia, see *Dendroica magnolia*
 Mourning, see *Oporornis philadelphia*
 Myrtle, see *Dendroica coronata coronata*
 Olive, see *Peucedramus taeniatus*
 Parula, see *Parula americana*
 Pine, see *Dendroica pinus*
 Prairie, see *Dendroica discolor*
 Red-faced, see *Cardellina rubrifrons*
 Shade, see *Vitia parens*
 Yellow, see *Dendroica petechia*
 Yellow-rumped, see *Dendroica coronata*
 Yellow-sided, see *Gerygone flavolateralis*
 Yellow-throated, see *Dendroica dominica*
 Warburton, A. B., see Bunn, D. S., ———, and R. D. S. Wilson
 Warham, John, see Grant, Gilbert S., ———, Ted N. Pettit, and G. Causey
 Whittow
 Wasserman, Fred E., Territories of Rufous-sided Towhees contain more than minimal food resources, 664–667
 Waterthrush, Louisiana, see *Seiurus motacilla*
 Waxwing, Cedar, see *Bombycilla cedrorum*
 weasel, long-tailed, see *Mustela frenata*
 Weatherhead, Patrick J., see Clark, Robert G., ———, and Roger Titman
 Weaver, Peter, The birdwatcher's dictionary, reviewed, 166–167
 Wege, Michael L. and Dennis G. Raveling, Factors influencing the timing distance and path of migrations of Canada Geese, 209–221
 weight
 Junco hyemalis, 603–620
 nestling, see nestling weight
 Wentz, Alan, see Ratti, John T., Lester D. Flake, and ———
 Werden, Allan, review by, 705
 West, Meredith J., A. Neil Stroud, and Andrew P. King, Mimicry of the human voice by Eurasian Starlings: The role of social interaction, 635–640
 whale, fin, see *Balaenoptera physalus*
 gray, see *Eschrichtius robustus*
 White, Clayton, M., review by, 501–502
 White, Donald H., Christine A. Mitchell, and Richard M. Prouty, 540–551
 White-eye, Sanford's, see *Woodfordia lacertosa*
 Whitmore, Robert C., see Wackenhut, P. B., Kenneth A. Strait, and ———
 Whittow, G. Causey, see Grant, Gilbert S., John Warham, Ted N. Pettit, and ———
 Wigeon, American, see *Anas americana*
 Wilds, Claudia, Finding birds in the National Capital Area, reviewed, 705
 Williamson, Howard J., see Conner, Richard N., James G. Dickson, and ———
 Wilson, R. D. S., see Bunn, D. S., A. B. Warburton, and ———
Wilsonia canadensis, 206
 citrina, 276–280, 430
 wing length
 Junco hyemalis, 603–620
 wintering
 Corvus brachyrhynchos, 153–155
 Molothrus ater, 150–153
 Winterstein, Scott R. and Ralph J. Raitt, Nestling growth and development and the breeding ecology of the Beechey Jay, 256–268
 Winton, Stephen G., see Brunsweig, Norman L., ———, and Paul B. Hamel
 Wolters, Hans E., Die Vogelarten der Erde: Ein systematische Liste mit Verbreitungsangaben sowie deutschen und englischen Namen, reviewed, 168
 Wong, Marina, Effect of unlimited food availability on the breeding biology of wild Eurasian Tree Sparrows in West Malaysia, 287–294
 Wood, D. Scott, review by, 166–167
 Wood, D. Scott, Richard L. Zusi, and Marion Anne Jenkinson, World inventory of avian skeletal specimens, reviewed, 502–503
 Wood, D. Scott, Richard L. Zusi, and Marion Anne Jenkinson, World inventory of avian spirit specimens, reviewed, 502–503
 Wood, Merrill, Birds of central Pennsylvania, reviewed, 705
 Woodcock, American, see *Scolopax minor*
Woodfordia lacertosa, 196

- Woodpecker, Acorn, see *Melanerpes formicivorus*
 Downy, see *Picoides pubescens*
 Hairy, see *Picoides villosus*
 Red-bellied, see *Melanerpes carolinus*
 Red-cockaded, see *Picoides borealis*
 Red-headed, see *Melanerpes erythrocephalus*
 Wood-pewee, Eastern, see *Contopus virens*
 Woods, Robin W., Falkland Island birds, reviewed, 500–501
 Woody, A. D., see Hedrick, L. D. and ———
- Wren, Bewick's, see *Thryomanes bewickii*
 Carolina, see *Thryothorus ludovicianus*
 House, see *Troglodytes aedon*
 Stripe-backed, see *Campylorhynchus nuchalis*
 Wyckoff, Ann M., Male "incubation" in a Chestnut-collared Longspur, 472
 Xenotriccus callizonus, 662–664
 Yahner, Richard H., Site-related nesting success of Mourning Doves and American Robins in shelterbelts, 573–580
 Yellowthroat, Common, see *Geothlypis trichas*
 Zenaida macroura, 346, 429, 573–580
 Zicus, Michael C., Ross H. Hier, and Stephen J. Maxson, A Common Loon nest from Minnesota containing four eggs, 671–672
 Zimmerman, John L., Cowbird parasitism of Dickcissels in different habitats and at different nest densities, 7–22
 Zonotrichia albicollis, 80–94, 133, 137
 capensis, 670
 leucophrys, 137, 290
 leucophrys gambelii, 603, 634
 Zoothera spp., 196
 Zugunrube
 Junco hyemalis hyemalis, 628–635
 Zusi, Richard L., see Wood, D. Scott, ———, and Marion Anne Jenkinson